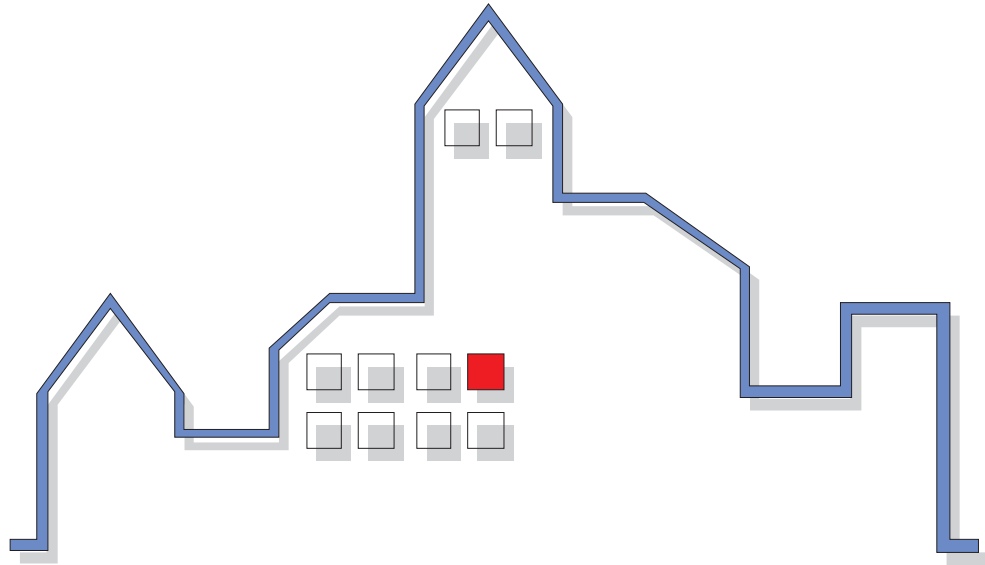


PRIMARY CARE SERIES

September 1995

— Revised September 1996



Community Based Outpatient Clinic **VA DESIGN GUIDE**

Veterans Health Administration Washington, DC 20420

Final Draft

NOTE: This VA Design Guide was developed based on draft guidelines for CBOC which have not been officially approved.

Department of Veterans Affairs
Facilities Quality Office

Office of Facilities Management
Standards Service

Foreword

The material contained in the Community Based Outpatient Clinic (CBOC) Design Guide is the culmination of a partnering effort by the Department of Veterans Affairs Ambulatory Care Service, the Department of Veterans Affairs Veterans Health Administration, and the Facilities Quality Office. The goal of the Design Guide is to simplify the design process and to ensure the quality of VA facilities while controlling construction and operating costs.

This document is intended to be used as a guide and to supplement current technical manuals and other VA criteria in planning a Primary Care facility. The Design Guide is not to be used as a standard design and use of the Design Guide does not preclude the need for a functional and physical design program for each specific project. It is the project Architects and Engineers responsibility to develop a complete and accurate project design that best meets the users needs and applicable code requirements.

Lloyd H. Siegel, FAIA
Director, Facilities Quality Office

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- Section 2** Narrative and Checklist
- Section 3** Relationship Diagrams and Generic Layout
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- Section 5** Design Guide Plates and Design Standards: Examination/Treatment Module
- Section 6** Design Guide Plates and Design Standards: Support Areas

Introduction

The Community Based Outpatient Clinic (CBOC) Design Guide is intended to be a graphic consolidation of existing Department of Veterans Affairs standards and criteria. It contains data from the following sources:

Master Construction Specifications	PG-18-1
Construction Standards	H-18-3
Standard Details	PG-18-4
Equipment Guide List	PG-7610
Equipment Reference Manual	PG-18-6
Space Planning Criteria for VA Facilities	PG-7610
Barrier-Free Design Program Guide	PG-18-13
Room Finish & Door Hardware Schedule	PG-18-14
Design Manuals	PG-18-10
Consensus information from VAMCs	
Ambulatory Care Program Division	
Radiology Care Program Division	
Pathology Service	
Pharmacy Service	

The Design Guide refers to the above mentioned sources when data is either too detailed or too broad to be included in this guide. Where applicable, modifications have been shown that were suggested from outside the Department.

The Design Guide for CBOC's was developed as a design tool to assist the lessor, the medical center and CBOC staff, and the contracting officers, in better understanding the choices that designers ask them to make, and to help designers understand the functional requirements necessary for proper operation of a CBOC. Included is a checklist that covers the areas of accessibility, interior finishes, leasing and site considerations.

This design guide is unique in that the Community Based Outpatient Clinic is a program rather than a department. VA has embraced this program to address the issue of becoming more available to our clients, the veterans. Over a two year span, hundreds of CBOC's will be springing up throughout the nation. It is intended that all will occupy leased

space, and a majority (90%) will use the "Expedited Lease" vehicle to assure quick response time from conception to occupation. The lessors will be responsible for translating the needs of the community, as identified by the local medical centers, into reality. This design guide will help the hospital and medical staff review functional room layouts and assist the lessors in providing better functional solutions.

The guide plates contained in the CBOC Design Guide are intended as illustrations of the VA's furniture, equipment and personnel space needs. They are not meant to limit design opportunities.

This design guide is not intended to be project specific. While it does contain the vast majority of spaces required in an CBOC, it is not possible to encompass all possible future requirements. It is not intended to examine or treat TB patients in the Community Based Outpatient Clinic. Therefore, it is recommended that the project-specific space program be the starting point for an individual project design. In addition, it is important to note that the guide plates are a generic graphic representation only. Equipment manufacturers should be consulted for actual dimensions and utility requirements. Use of this design guide does not relieve the lessor and the project architects' and engineers' of their professional responsibility to develop a complete and accurate design which satisfies appropriate code requirements and meets the users' needs.

Acknowledgments

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














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Abbreviations

A	Amperes	NA	Not Procured with Activation Funds
AC/HR	Air Changes per Hour	NCRP	National Council of Radiation Physicists
ADA	Americans with Disabilities Act	NFPA	National Fire Protection Association
AFF	Above Finished Floor	NSF	Net Square Feet
AI	Acquisition and Installation	NSM	Net Square Meters
A&MM	Acquisitions and Material Management		
AR	As Required	OSD	Open Site Drain
AT	Acoustical Ceiling Tile		
		PCP	Portland Cement Plaster
C	Degrees Celsius	PH	Phase
CC	Contractor Furnished and Installed, Construction Funds	PL	Plaster
CF	Construction Funds, VA Furnished, Installed by VA or Contractor	PREP	Preparation
CFM	Cubic Feet per Minute	PSIG	Pounds per Square Inch Gauge
CLG	Ceiling	QT	Quarry Tile
CM	Construction Management Office	RB	Resilient Base
CMU	Concrete Masonry Unit	SC	Special Coating (High Build Glazed Coating)
CP	Carpet (without cushion broadloom)	SD	Standard Detail
CS	Construction Standard	SF	Square Feet, Square Foot
CT	Ceramic Tile	SPD	Supply, Processing, and Distribution
		SOPC	Satellite Outpatient Clinic
DISC SW	Disconnect Switch	SS	Stainless Steel
EtO	Ethylene Oxide Gas		
EXH	Exhaust	TELEC	Telecommunications
F	Degrees Fahrenheit		
FC	Foot-candle	UFAS	Uniform Federal Accessibility Standards
FD	Floor Drain		
FIXT	Fixture	V	Volts
FLUOR	Fluorescent	VA	Department of Veterans Affairs
		VACO	Veterans Affairs Central Office
HAC	Housekeeping Aids Closet	VAMC	Veterans Affairs Medical Center
HB	Hosebibb	VC	VA Furnished and Contractor Installed - Medical Care
HVAC	Heating, Ventilation, and Air Conditioning		Appropriation for Equipment and Construction Appropriations for Installation
HP	Horsepower	VCT	Vinyl Composition Tile
HR	Hour	VHA	Veterans Health Administration
		VV	VA Furnished and Installed-VHA Appropriation
ICU	Intensive Care Unit		
KW	Kilowatt	W	Watts
		W/SF	Watts per Square Feet
LB	Pound/Pounds		
LLTS	Lounge, Lockers, Toilets, and Showers		
MCS	Master Construction Specifications		
MTD	Mounted		








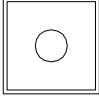


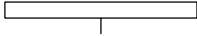
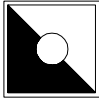
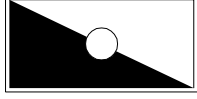



Legend of Symbols

DRAFT 7-6-95

System	Description of Symbol	Gr. Symbol
Power Receptacles	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	WEATHERPROOF DUPLEX RECEPTACLE WITH GFI, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF OR QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - PEDESTAL-MOUNTED	
	QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	QUADRADUPLEX OUTLET WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	QUADRADUPLEX OUTLET WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - EMERGENCY POWER - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	QUADRAPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - EMERGENCY POWER	
	SPECIAL RECEPTACLE	
	TELEVISION OUTLET	
	ELECTRICAL STRIP MOLD - NEMA 5-20R RECEPTACLES AT 2'-0" INTERVALS	
	BATTERY POWERED CLOCK	
	CIRCUIT BREAKER	

Legend of Symbols (cont.)

DRAFT 7-6-95

System	Description of Symbol	Gr. Symbol
Switches	SINGLE POLE SWITCH	
	SINGLE POLE SWITCH - SUFFIX OF "a", "b", OR "c" INDICATES SEPARATE CONTROL OF FIXTURE(S) WITH SAME DESIGNATION	
	DIMMER SWITCH	
	THREE-WAY SWITCH	
	DOOR SWITCH	
	FUSED OR UNFUSED DISCONNECT SWITCH	
	EMERGENCY POWER OFF (EPO) PUSH BUTTON	
Lighting	2' x 2' FLUORESCENT FIXTURE	
	1' x 4' FLUORESCENT FIXTURE	
	2' x 4' FLUORESCENT FIXTURE	
	WALL-MOUNTED FLUORESCENT FIXTURE	
	2' x 2' FLUORESCENT FIXTURE - EMERGENCY POWER	
	2' x 4' FLUORESCENT FIXTURE - EMERGENCY POWER	
	WALL-MOUNTED FLUORESCENT FIXTURE - EMERGENCY POWER	
	WALL MOUNTED LIGHT FIXTURE - TYPE AS NOTED	
	LIGHT FIXTURE - TYPE AS NOTED	

Legend of Symbols (cont.)

DRAFT 7-6-95

System	Description of Symbol	Gr. Symbol
Communi- cations	TELEPHONE OUTLET - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	WALL-MOUNTED TELEPHONE OUTLET - MOUNTED 48" AFF UNLESS OTHERWISE NOTED	
	COMPUTER TERMINAL OUTLET - VERIFY EXACT NEEDS - PROVIDE SIGNAL AND POWER OUTLET AS REQ'D	
	SPEAKER - CEILING-MOUNTED	
	INTERCOM OUTLET	
	NURSE CALL DOME LIGHT - CEILING-MOUNTED	
	NURSE CALL DOME LIGHT - WALL-MOUNTED	
	NURSE CALL DUTY STATION	
	EMERGENCY NURSE CALL	
	NURSE CALL STAFF STATION	
	VOLUME CONTROL - WALL MOUNTED	
Sp. Outlets	JUNCTION BOX - PURPOSE AND LOCATION AS NOTED	
Mechanical	SUPPLY AIR DIFFUSER	
	EXHAUST AIR REGISTER OR GRILLE	
	THERMOSTAT	
Plumbing	COMBINATION FAUCET HOSE BIBB	
	MEDICAL GAS OUTLET	